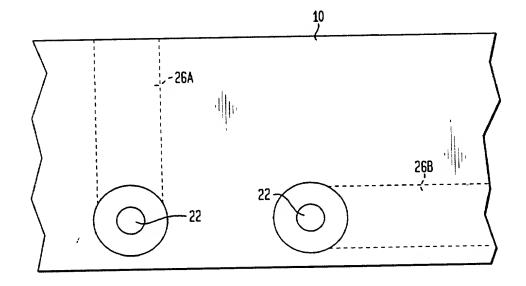
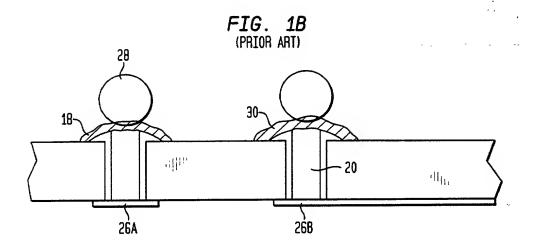
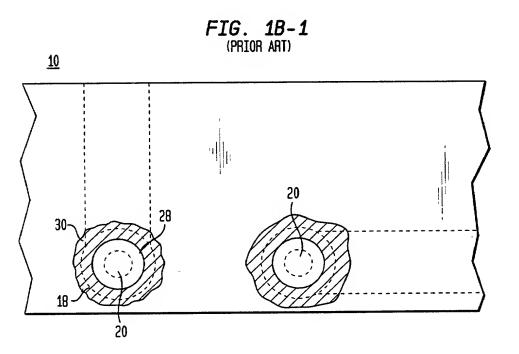
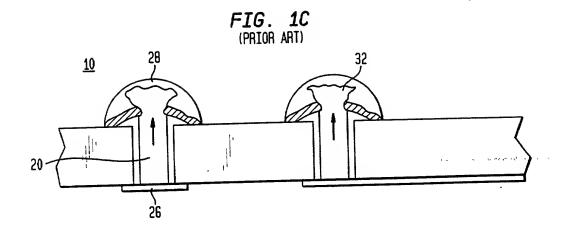


FIG. 1A-1 (PRIOR ART)

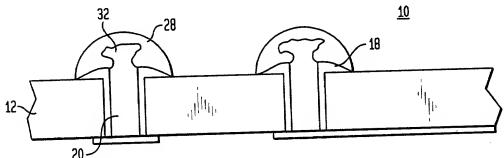


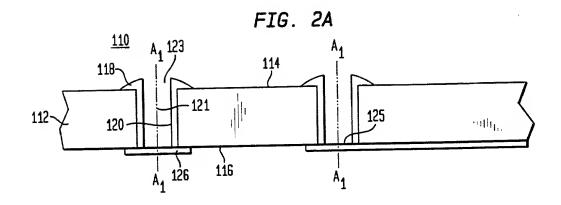


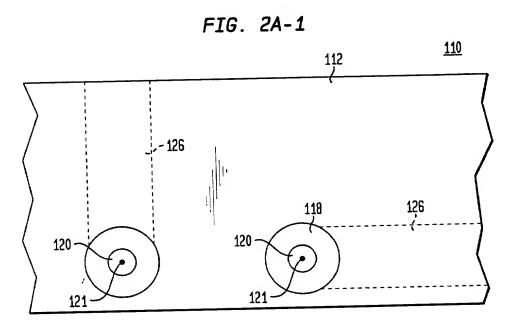


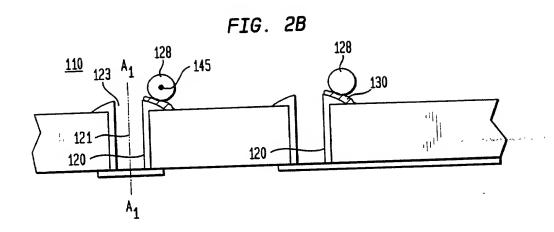


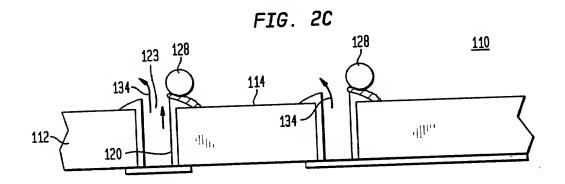


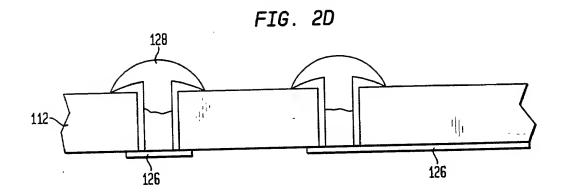


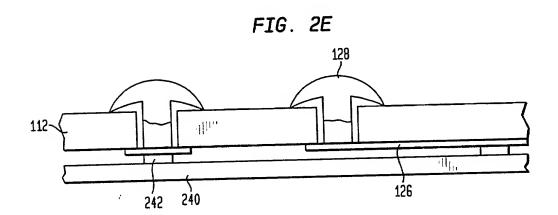


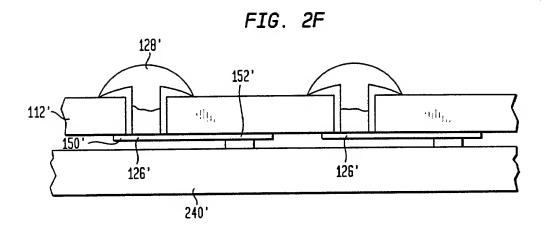


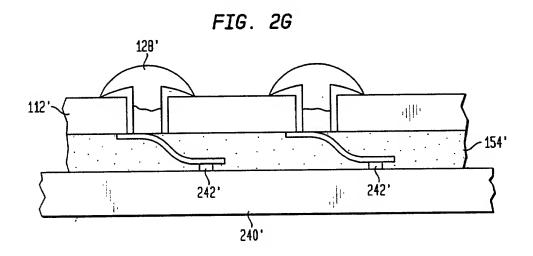


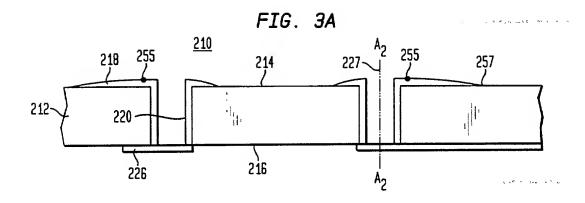


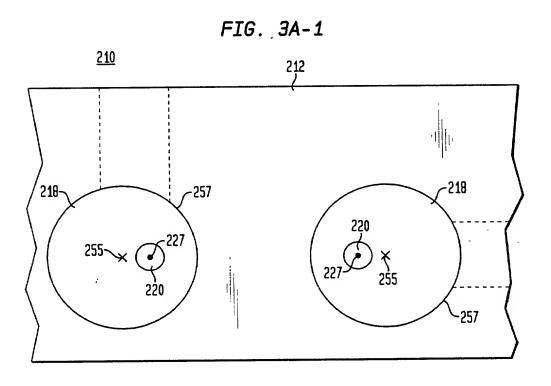


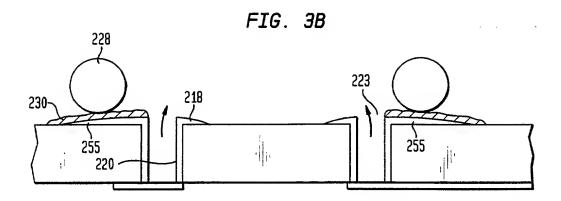


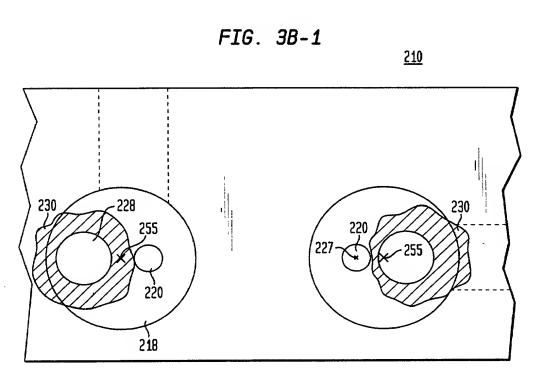












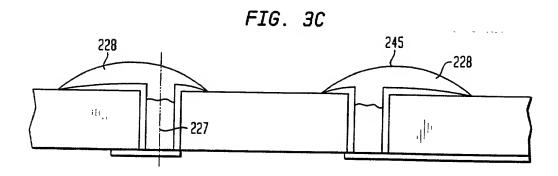


FIG. 3C-1

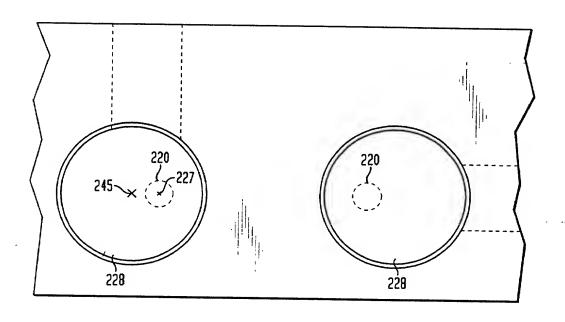


FIG. 4

SPLIT (1 STRIP)	FLUX	BALL PLACEMENT	POST-FLUX BAKE	PEAK TEMP (degC)	DWELL (SEC/ZONE)	VOIDS	AVERAGE SIZE
1	STANDARD	STANDARD	NONE	195	20	107	=5 mils
2	STANDARD	STANDARD	5MIN075C	220	55	~40	=5 mils
3	STANDARD	STANDARD	10MIN@100C	235	60	-40	>5 mils
4	STANDARD	STANDARD	NONE	225	60	>40	=5 mils
5	STANDARD	STANDARD	5MIN@100C	225	60	>40	=5 mils
6	STANDARD	STANDARD	NONE	220	55	33	=5 mils
7	STANDARD	STANDARD	60MIN@100C	210	50	30	<5 mils
8	STANDARD	STANDARD	NONE	230	60	49	>5 mils
9	STANDARD	STANDARD	NONE	210	50	49	=5 mils
10	PASTE	STANDARD	5MIN0120C	210	50	104	=5 mils
11	PASTE	STANDARD	NONE	210	50	19	<5 mils
12	PASTE FILL	STANDARD	NONE	210	60	67	-5 mils
13	OFF-CENTER	OFF-CENTER	NONE	225	60	7	<5 mils
14	OFF-CENTER	OFF-CENTER	NONE	195	20	25	<5 mils
15	OFF-CENTER	OFF-CENTER	NONE	225	60	101	=5 mils
16	OFF-CENTER	OFF-CENTER	NONE	225	60	6	<5 mils
17	OFF-CENTER	OFF-CENTER	NONE	225	60	8	<5 mils